

FIG. 1

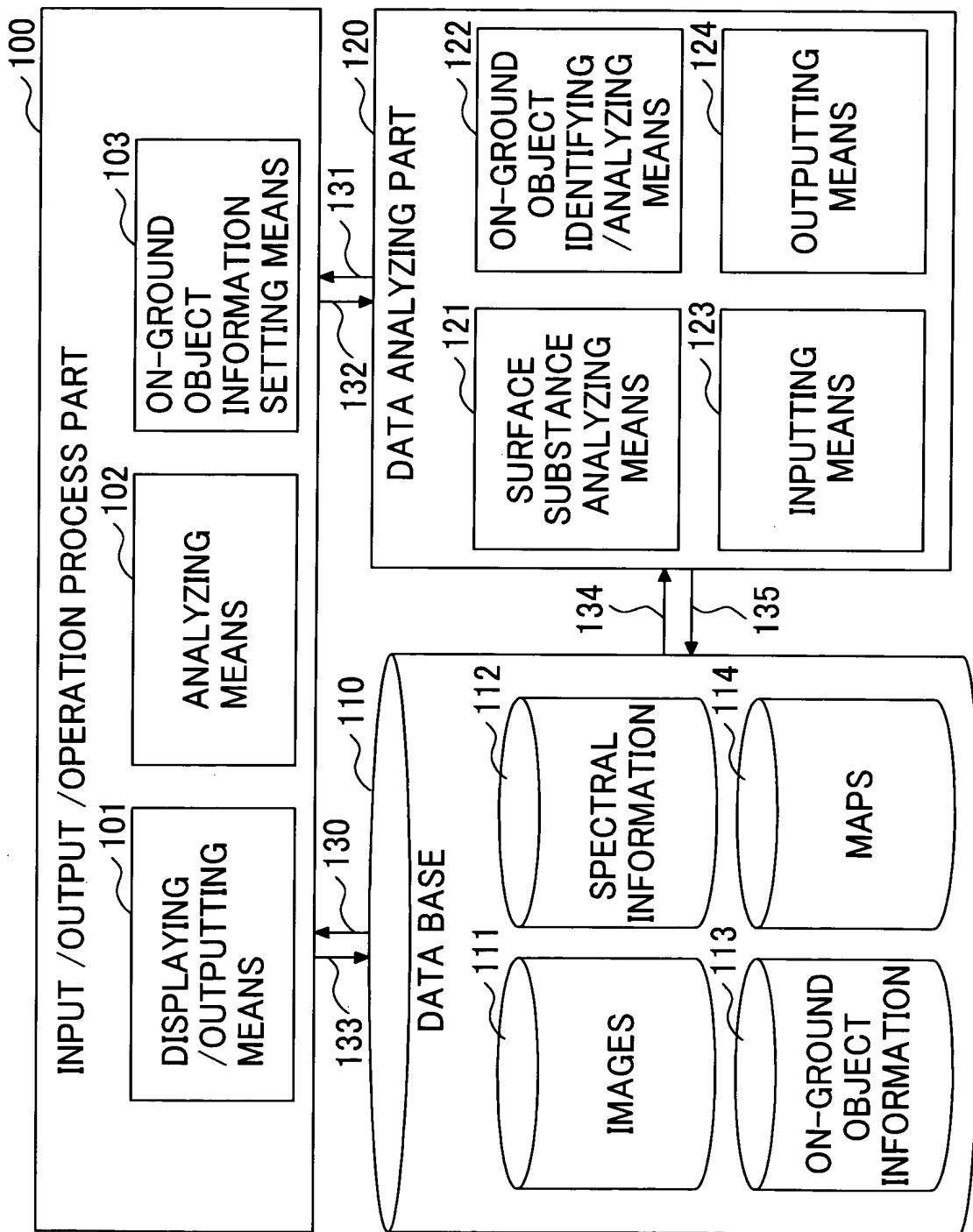


FIG.2

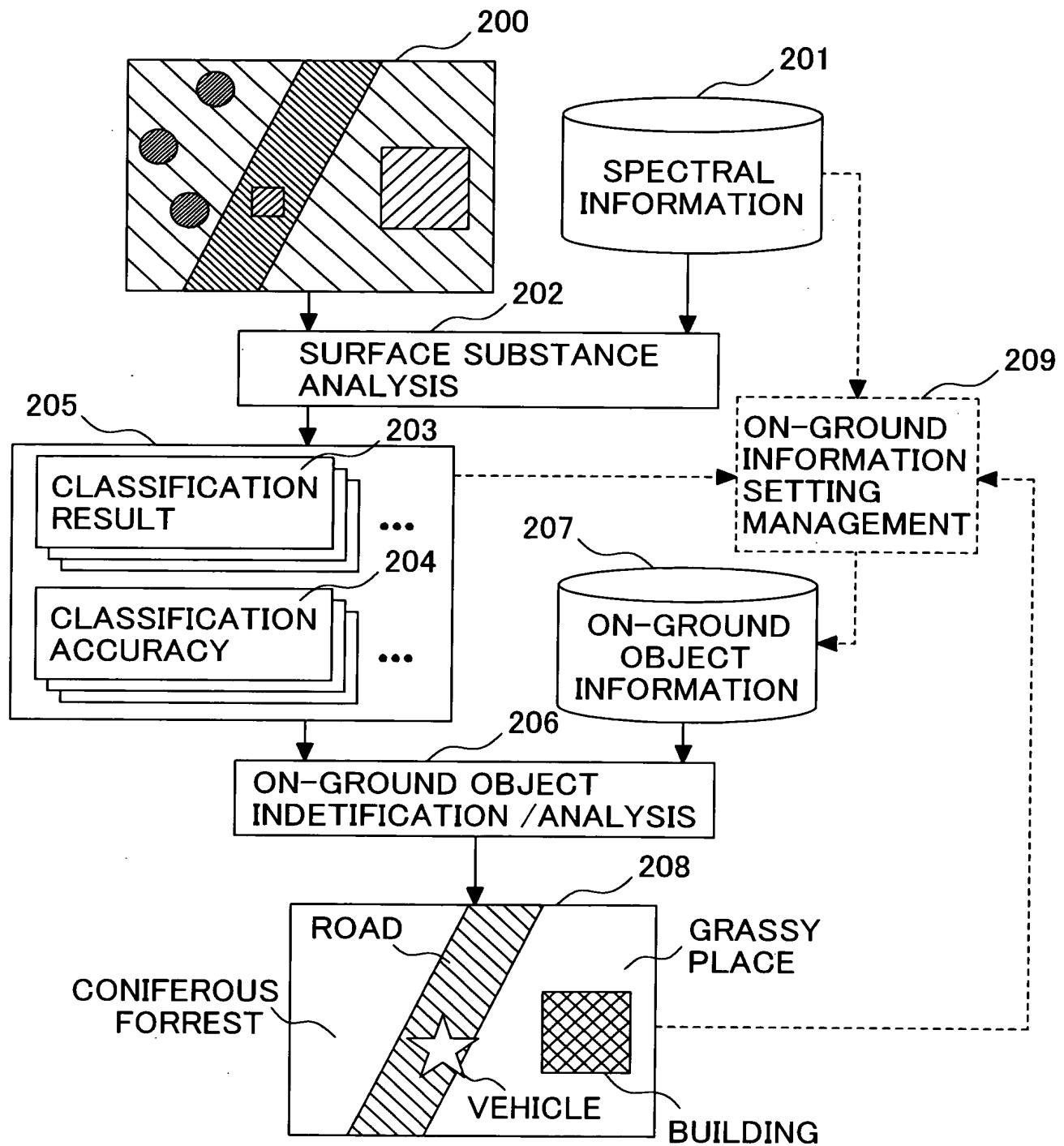


FIG.3

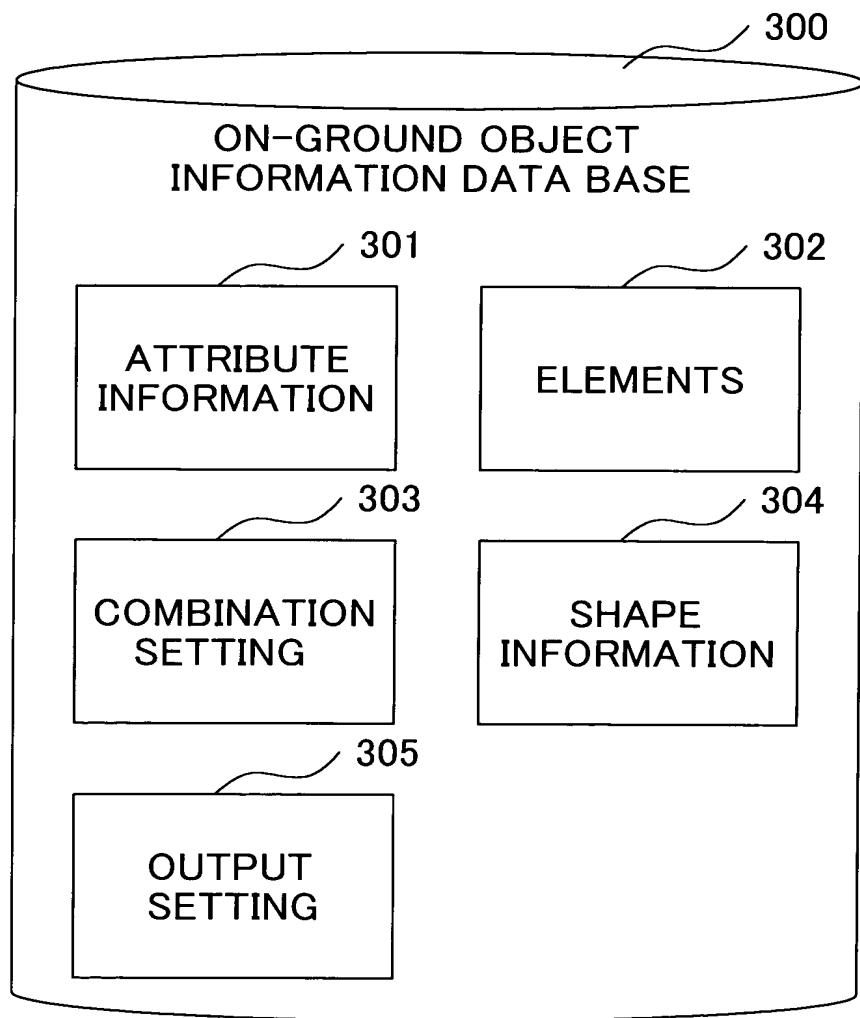


FIG.4

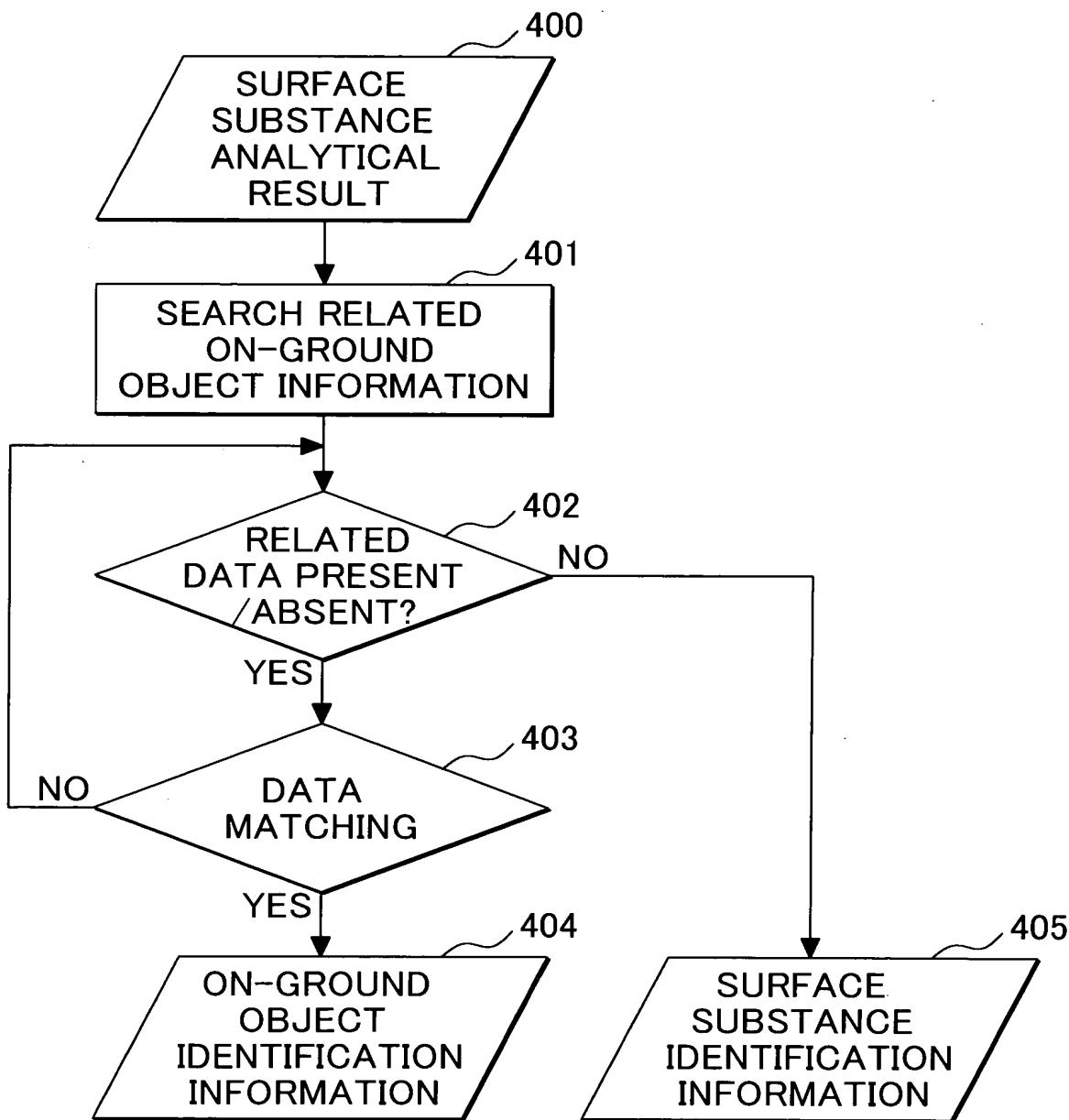


FIG.5A MODEL

ON-GROUND OBJECT: VEHICLE
SURFACE SUBSTANCE: METAL



FIG.5B PLURAL PIXELS

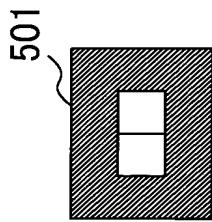


FIG.5C IN A PIXCEL

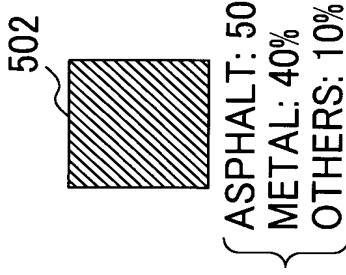


FIG.5D

IN A PLURAL PIXCELL & IN A PIXCEL

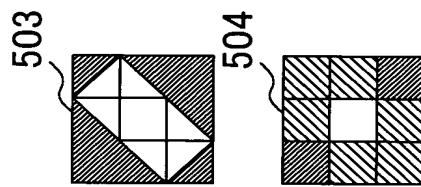


FIG. 6A
SHAPE DETERMINATION

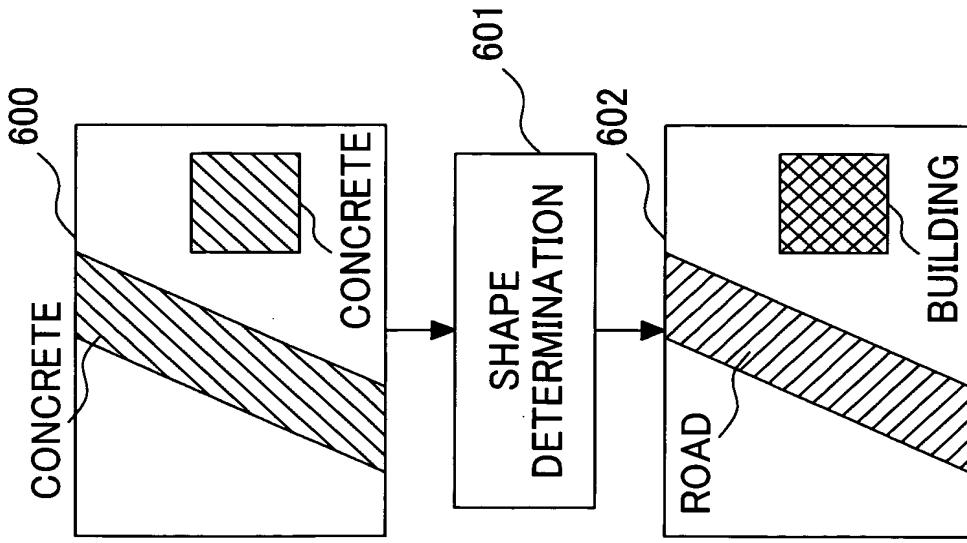


FIG. 6B
CIRCUMSTANTIAL DETERMINATION

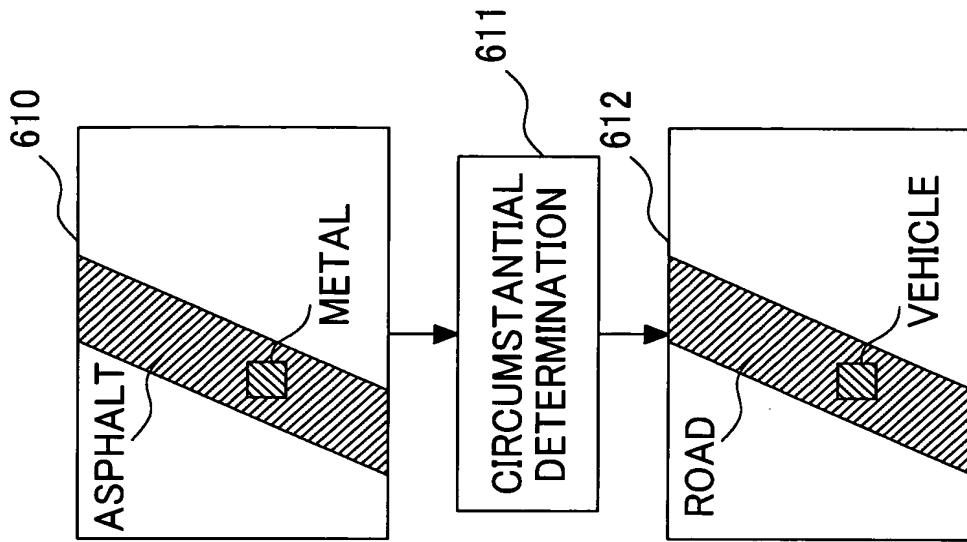


FIG. 7A
DETAILED MAP

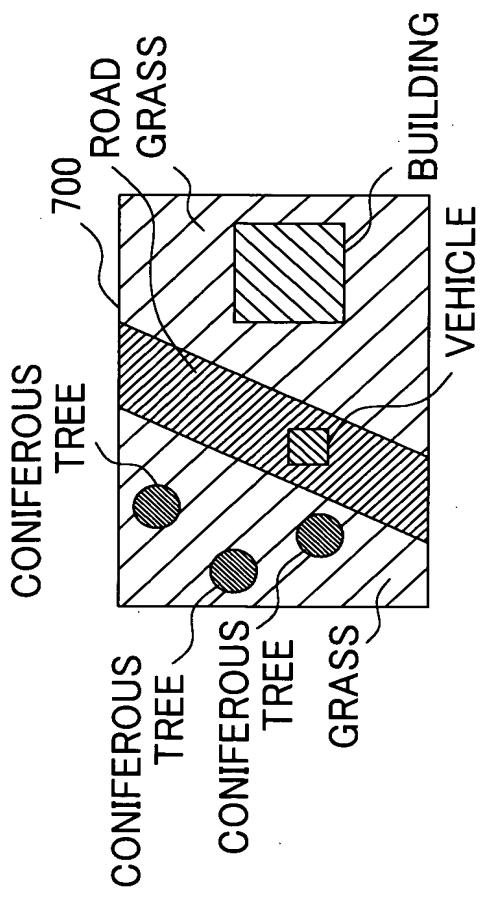


FIG. 7B
SCHEMATIC MAP

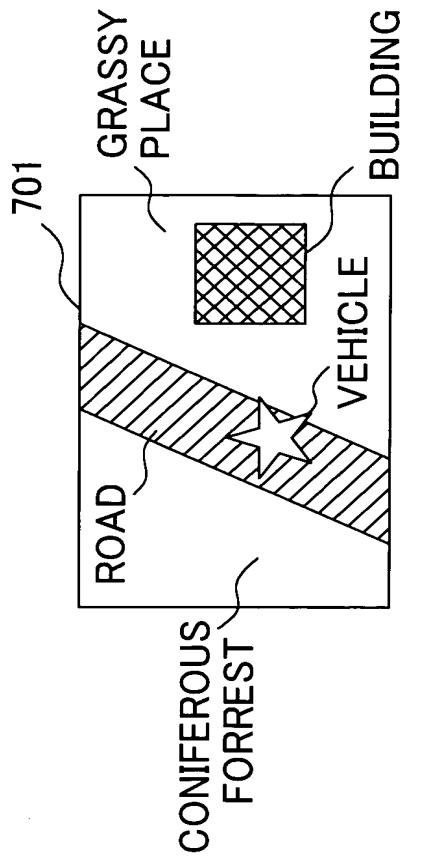


FIG. 7C
SMALL-SCALE MAP

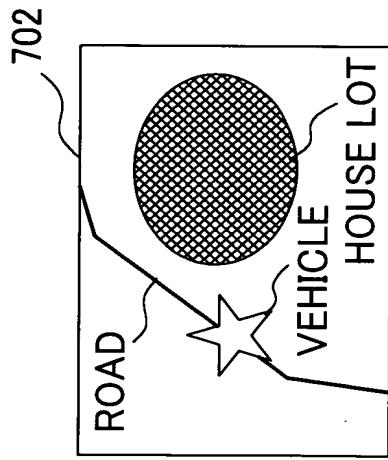


FIG.8

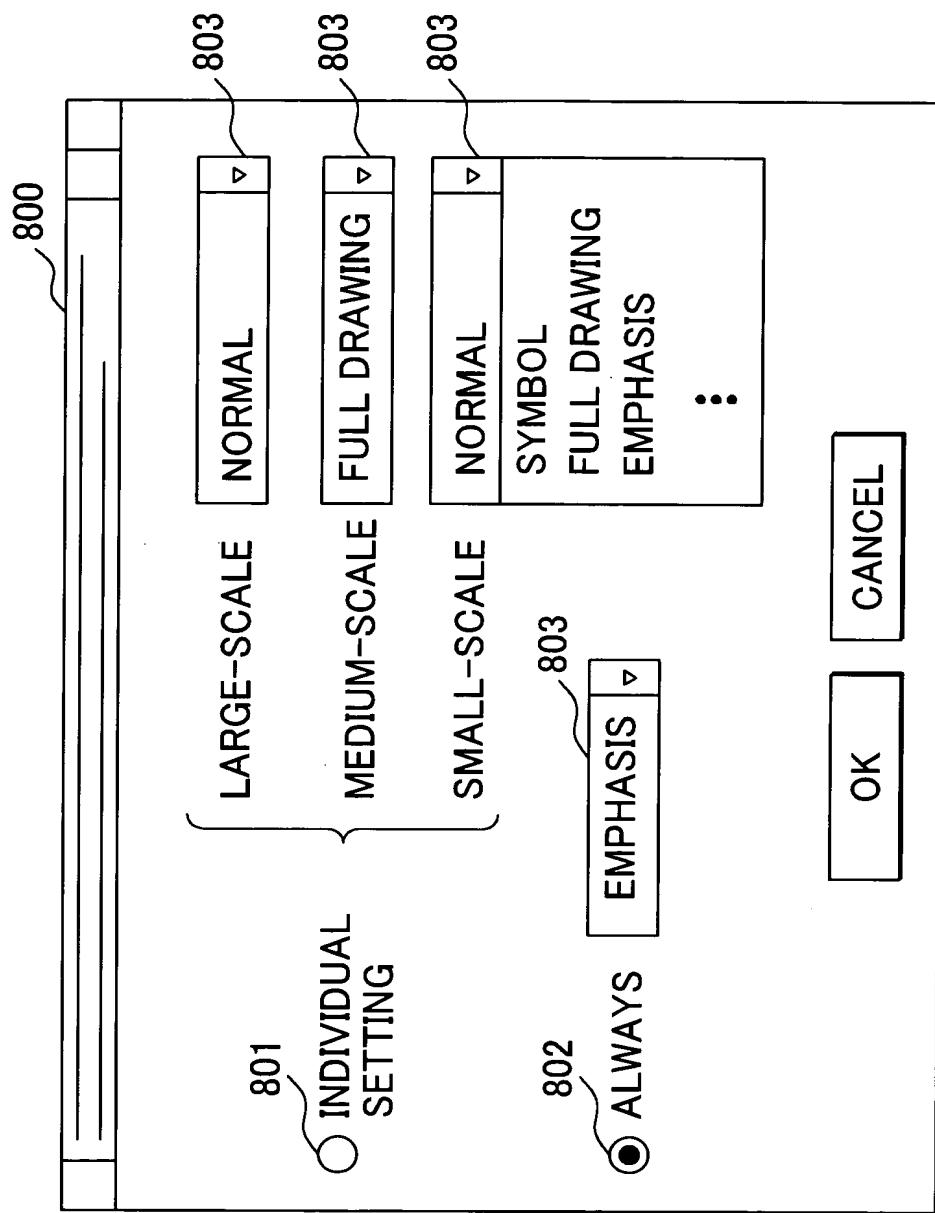


FIG.9

900

901		902	
SORT KEY INFORMATION		SPECTRAL INFORMATION	
<input type="checkbox"/> NAME	<input checked="" type="checkbox"/> LARGE CLASSIFICATION	<input type="checkbox"/> ROCK	<input checked="" type="checkbox"/> WATER
<input type="checkbox"/>	<input type="checkbox"/> SMALL CLASSIFICATION	<input checked="" type="checkbox"/> VEGENTATION	<input type="checkbox"/> GRASS
<input type="checkbox"/>	<input type="checkbox"/> DATA TYPE	<input checked="" type="checkbox"/> CONIFEROUS TREE	⋮
⋮			
903		904	
COLLECTIVE OPERATION		ARTIFICIAL OBJECT	
<input type="checkbox"/> ALL SELECT	<input type="checkbox"/> ALL CANCEL	<input type="checkbox"/> ASPHALT	<input checked="" type="checkbox"/> CONCRETE
⋮		⋮	
		<input type="checkbox"/> OK	<input type="checkbox"/> CANCEL

FIG. 10

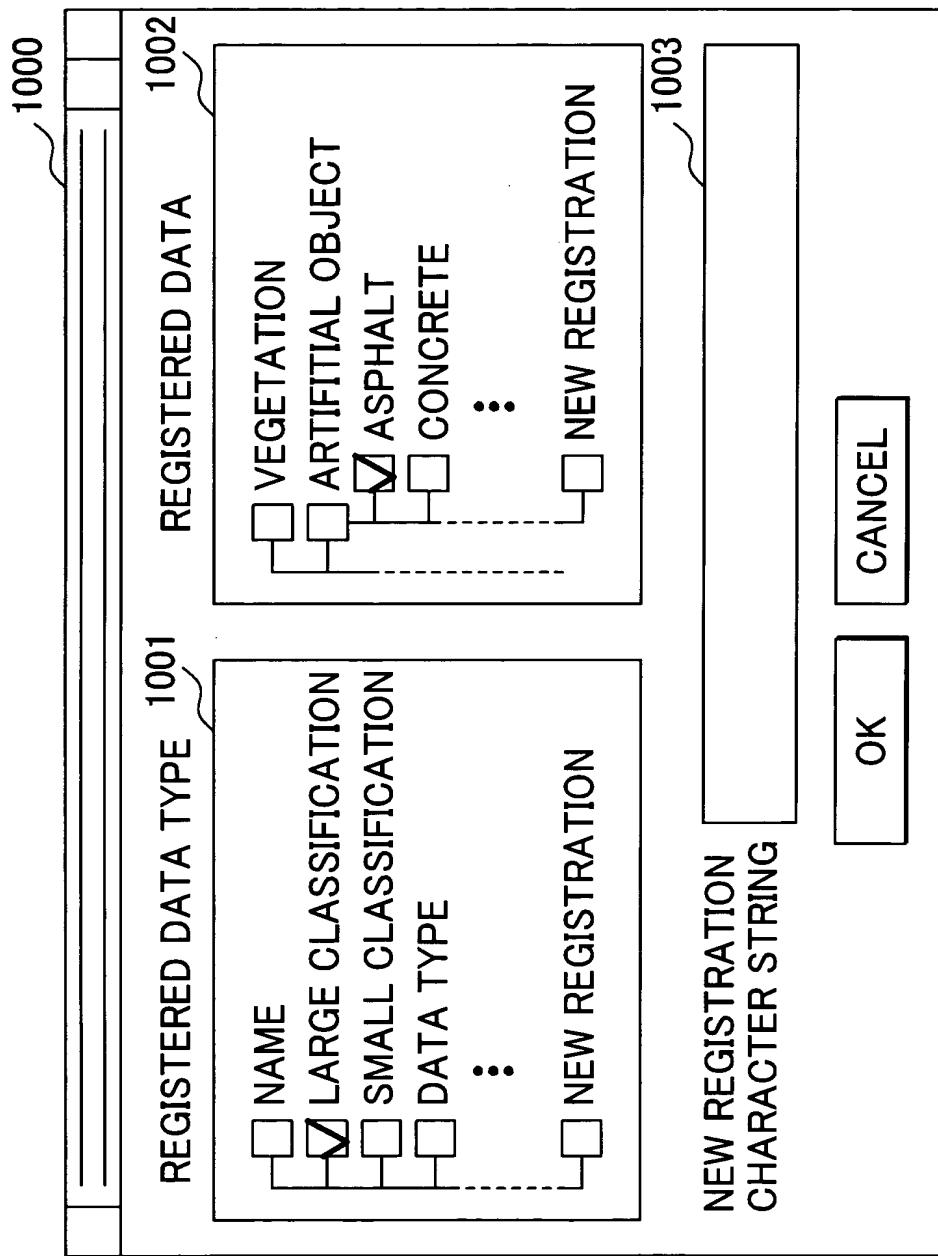


FIG. 11

1300

ON-GROUND OBJECT INFORMATION (PRIORITY) 1301		COMPONENTS 1104 1103	SHAPE FEATURES 1303
H	VEHICLE BUILDING ROAD WATER AREA GRASSY PLACE	1 CONIFEROUS TREE 2 BROADLEAF TREE 3 GRASS 4 ROCK 5 SOIL ⋮ n OTHERS	<input type="radio"/> NO SPECIFICATION <input type="radio"/> ISOLATED <input type="radio"/> LINEAR / RETIGULAR <input checked="" type="radio"/> PLANE <input type="radio"/> TEMPLATE ⋮
		1108	<input type="checkbox"/> WIDTH <input type="text"/> m <input checked="" type="checkbox"/> AREA <input type="text"/> m^2
		1109	
		1 AND (2 OR 3 OR ⋯ n)	
		<input type="button"/> OK <input type="button"/> CANCEL	

FIG. 12

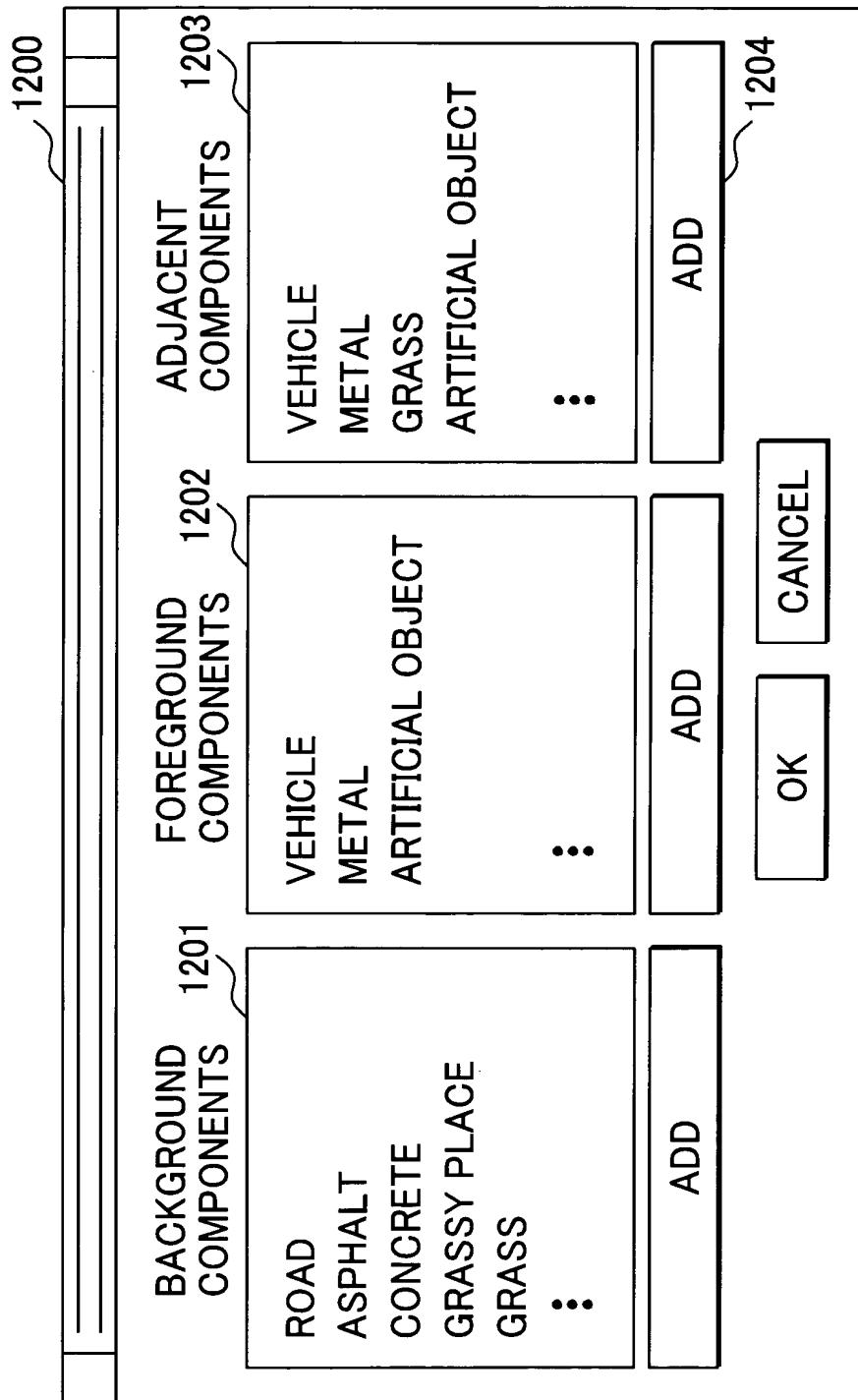


FIG. 13A
TARGET EMPHASIS SETTING GUI

The figure shows a software interface for 'TARGET EMPHASIS SETTING GUI' with three windows stacked vertically:

- Window 1301 (Target Objects):** A list of target objects including ROAD, BUILDING, CONIFEROUS FOREST, BROAD-LEAVED FOREST, MIXED FOREST, GRASSY PLACE, WATER AREA, VEHICLE, and others.
- Window 1302 (Target Objects):** A list of target objects including ROAD, BUILDING, CONIFEROUS FOREST, BROAD-LEAVED FOREST, MIXED FOREST, GRASSY PLACE, WATER AREA, VEHICLE, and others.
- Window 1303 (Emphasis Element Setting):** A configuration window with the following sections:
 - TYPE:** A dropdown menu showing options: STAR, CIRCLE, SQUARE, TRIANGLE, INVERSE TRIANGLE, and DIAMOND.
 - COLOR:** A dropdown menu showing options: RED, YELLOW, GREEN, SKY BLUE, and BLUE, with a colon at the end.
 - EFFECT:** A dropdown menu showing options: NONE, BLINK, SHADE, SOLID, and THICK LINE, with a colon at the end.
 - ZOOM:** A dropdown menu showing options: NONE, FIXED SIZE, FIXED MAGNIFICATION, MAGNIFICATION FOR EACH SCALE, and DATA DEPENDENCY, with a colon at the end.

FIG.13B

TARGET EMPHASIS SETTING GUI

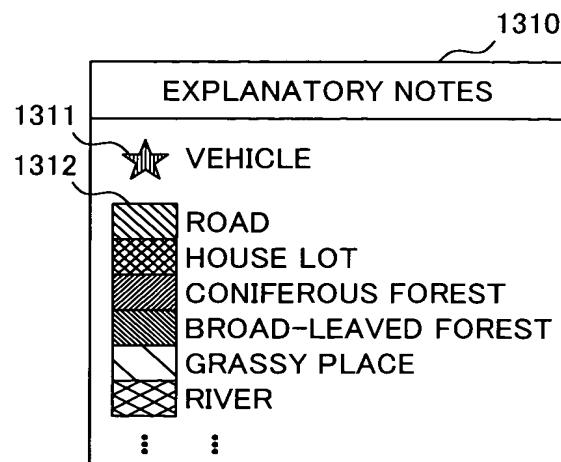


FIG.14A

TARGET RECOGNITION /CORRECTION OF MISREADING GUI

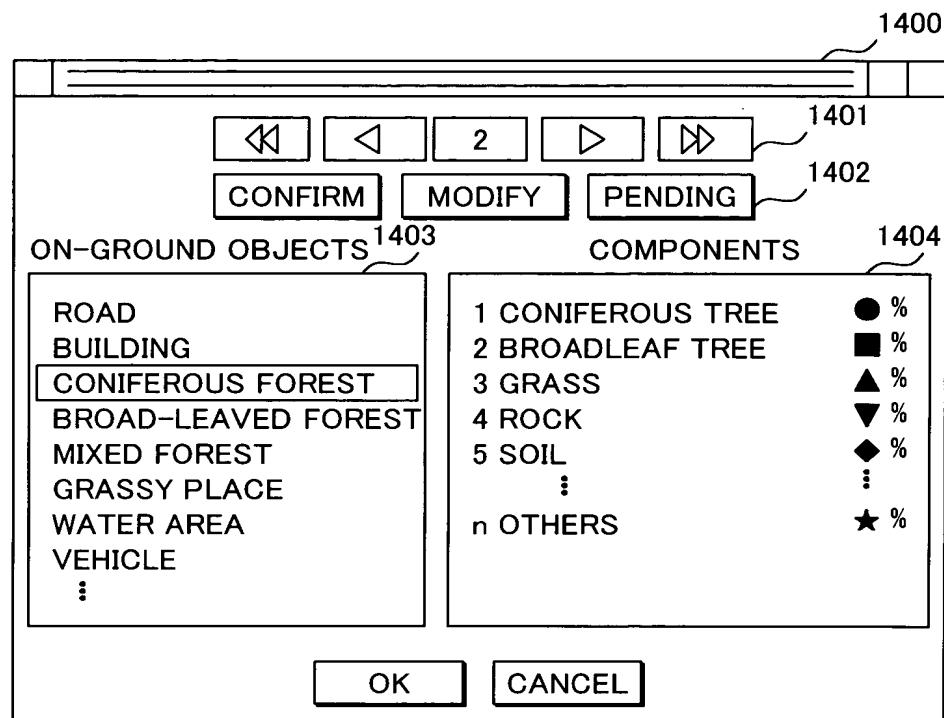


FIG.14B RECOGNITION SCREEN

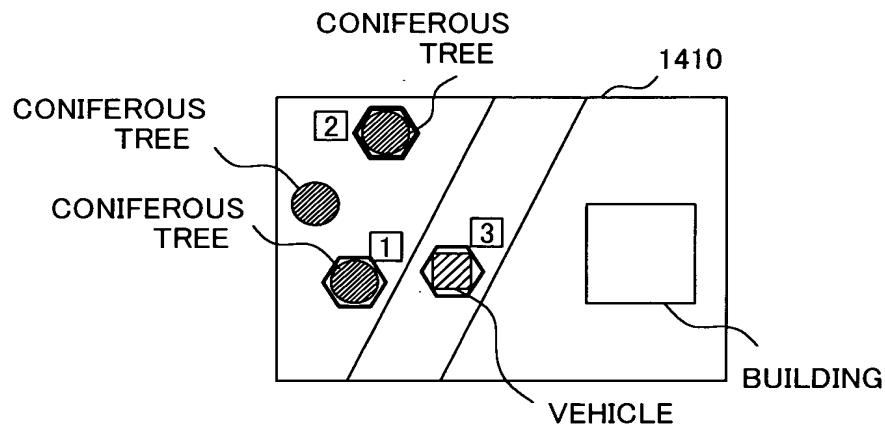


FIG.14C EXPANDED RECOGNITION SCREEN

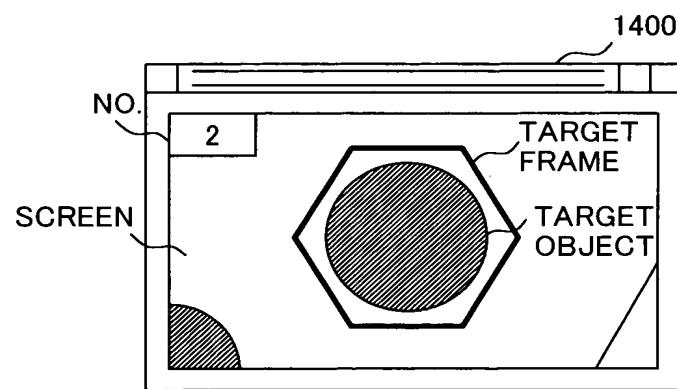


FIG.15

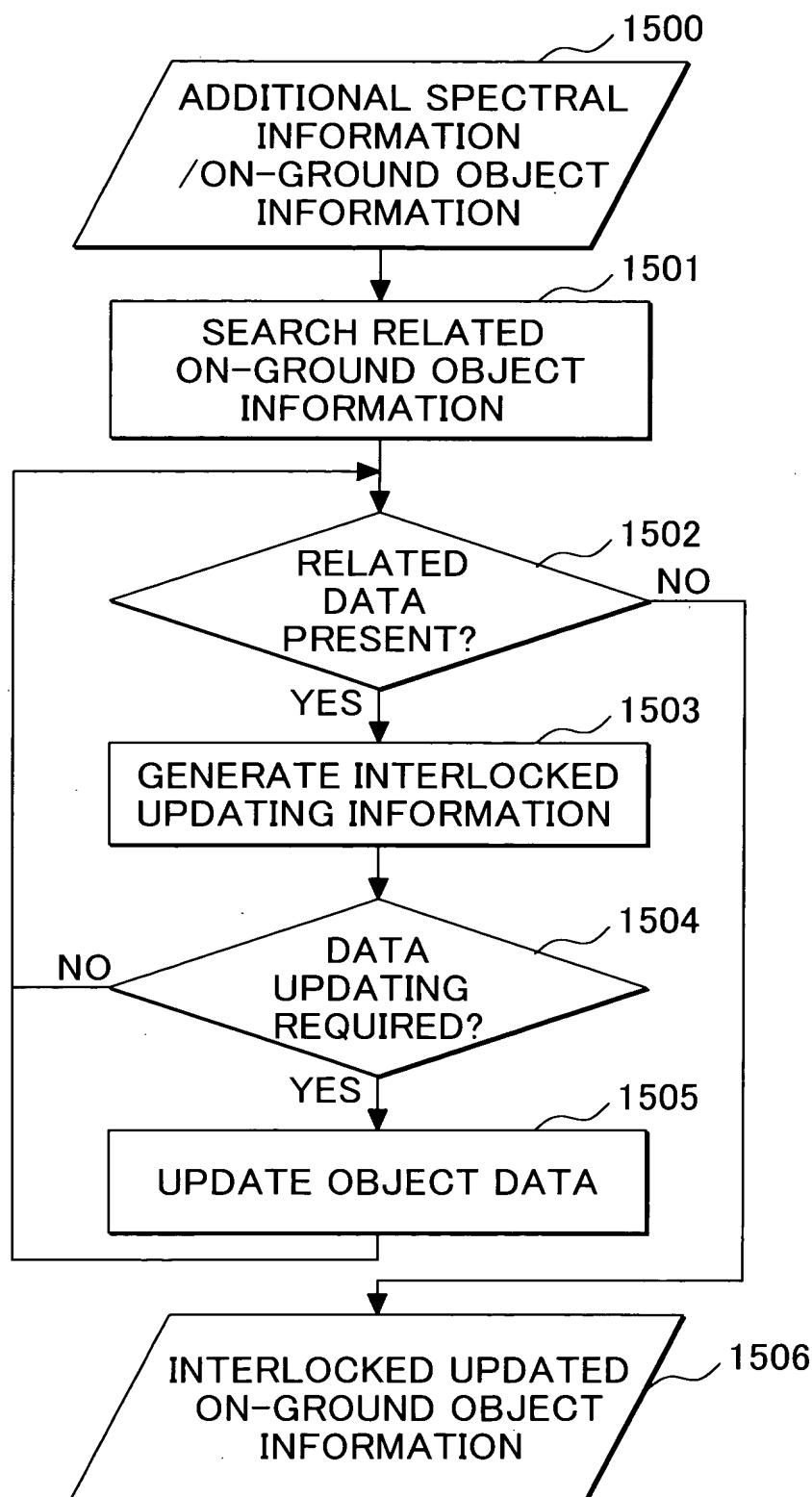


FIG.16

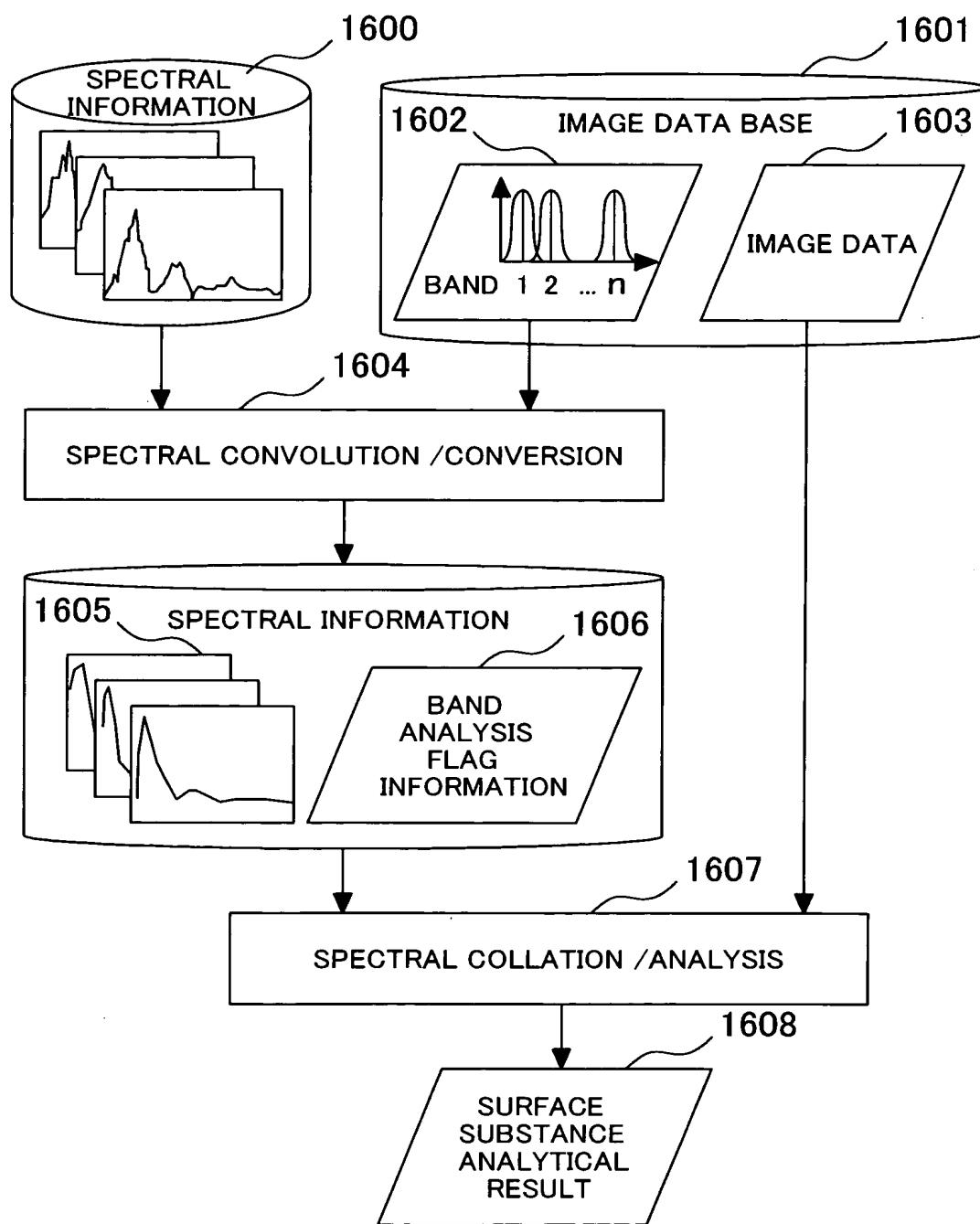


FIG.17

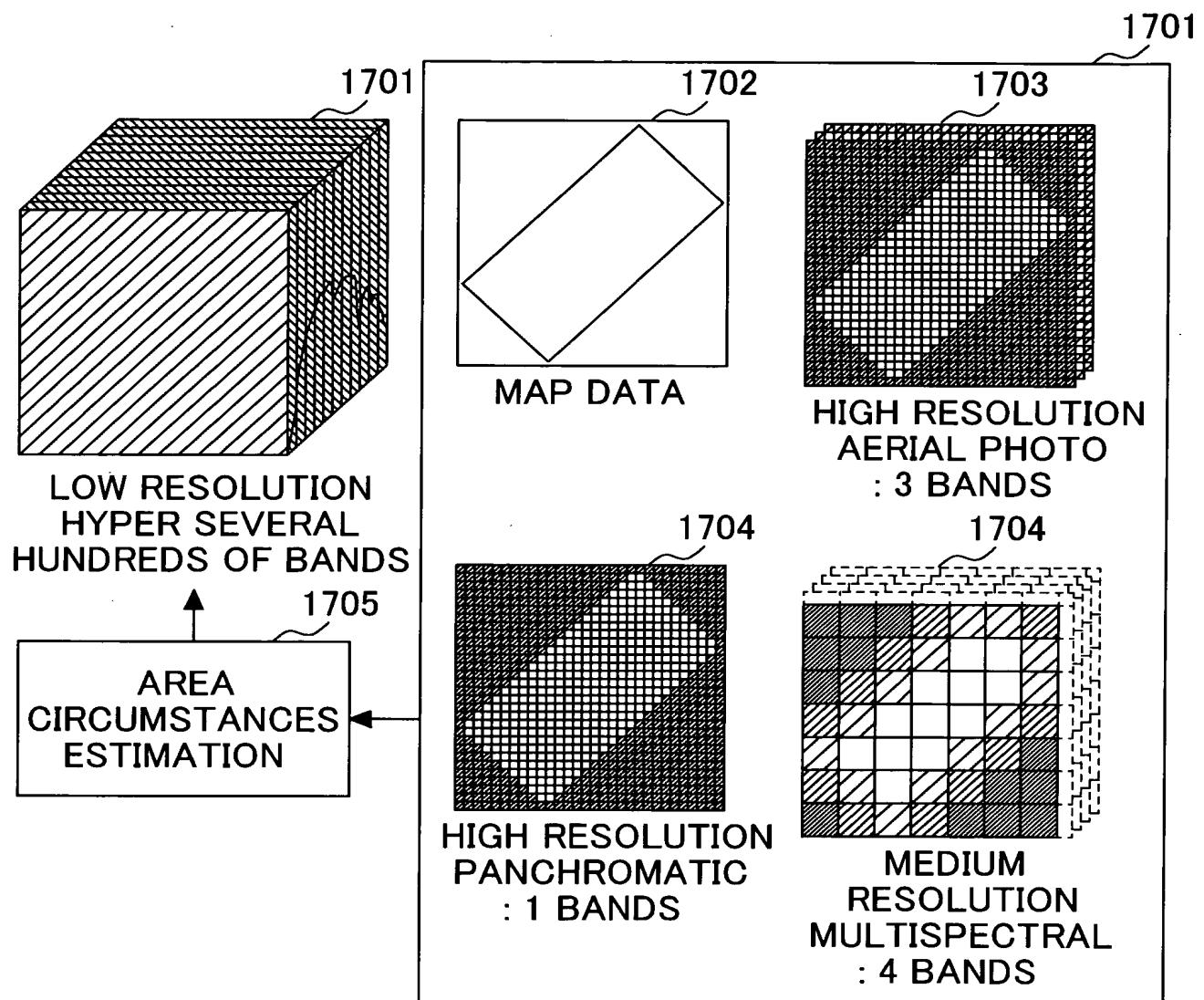


FIG.18

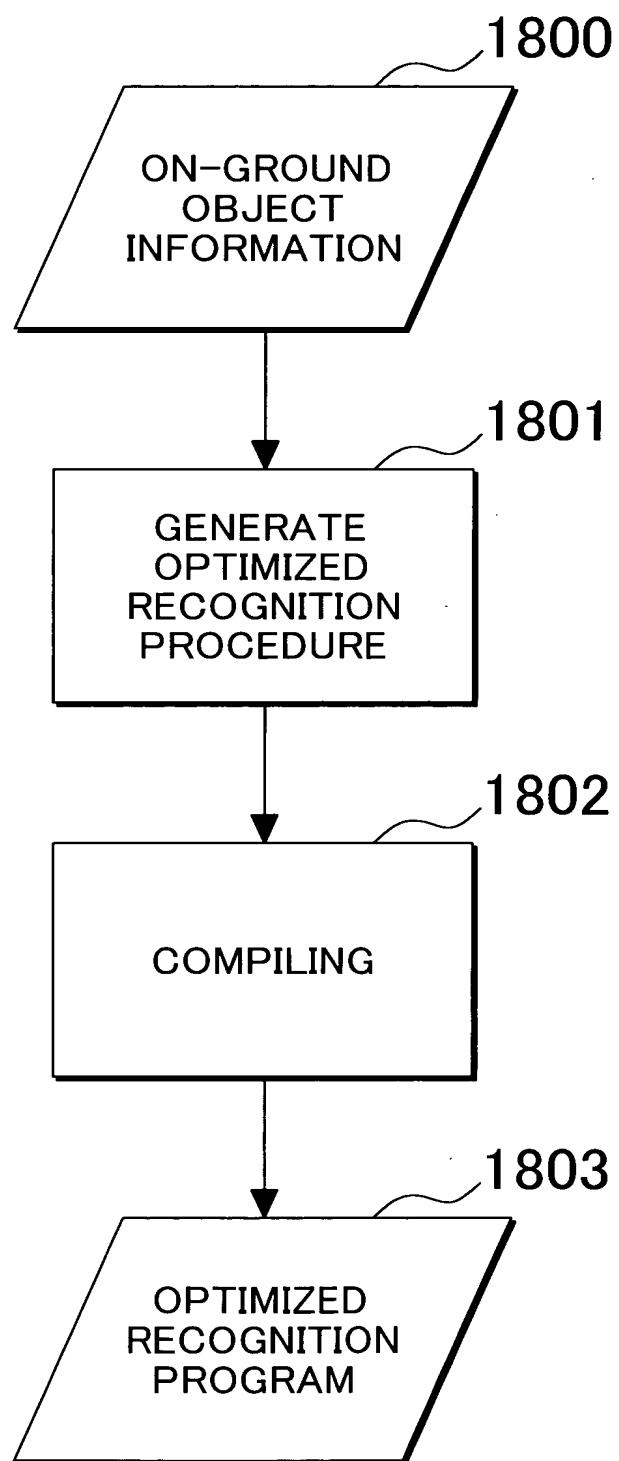


FIG. 19 EXAMPLE OF NOTICE INTERFACE

FIG. 19 DOCUMENT OUTPUT EXAMPLE

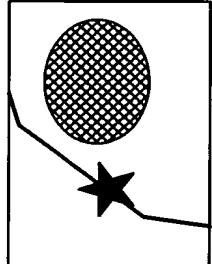
1900		<p>DETECTION NOTICE <input type="checkbox"/></p> <p>THE TARGET ON-GROUND OBJECT HAS BEEN DETECTED IN THE AREA xxx MAPPING PROCESS. CHECK IT UP.</p> <p><input type="button" value="OK"/></p>								
1901		<p>MAPPING REPORT <input type="radio"/> DATE & TIME</p> <p>THE FOLLOWING TARGET ON-GROUND OBJECTS HAVE BEEN DETECTED ON A MAP CREATED FROM IMAGES xx PHOTOGRAPHED ON (DATE & TIME).</p> <p>EXPLANATORY NOTES</p> <p>★ VEHICLE</p> <table border="1"><tr><td>ROAD</td><td>HOUSE LOT</td></tr><tr><td>CONIFEROUS FOREST</td><td>BROAD-LEAVED FOREST</td></tr><tr><td>GRASSY PLACE</td><td>RIVER</td></tr><tr><td>...</td><td>...</td></tr></table> 	ROAD	HOUSE LOT	CONIFEROUS FOREST	BROAD-LEAVED FOREST	GRASSY PLACE	RIVER
ROAD	HOUSE LOT									
CONIFEROUS FOREST	BROAD-LEAVED FOREST									
GRASSY PLACE	RIVER									
...	...									

FIG.20

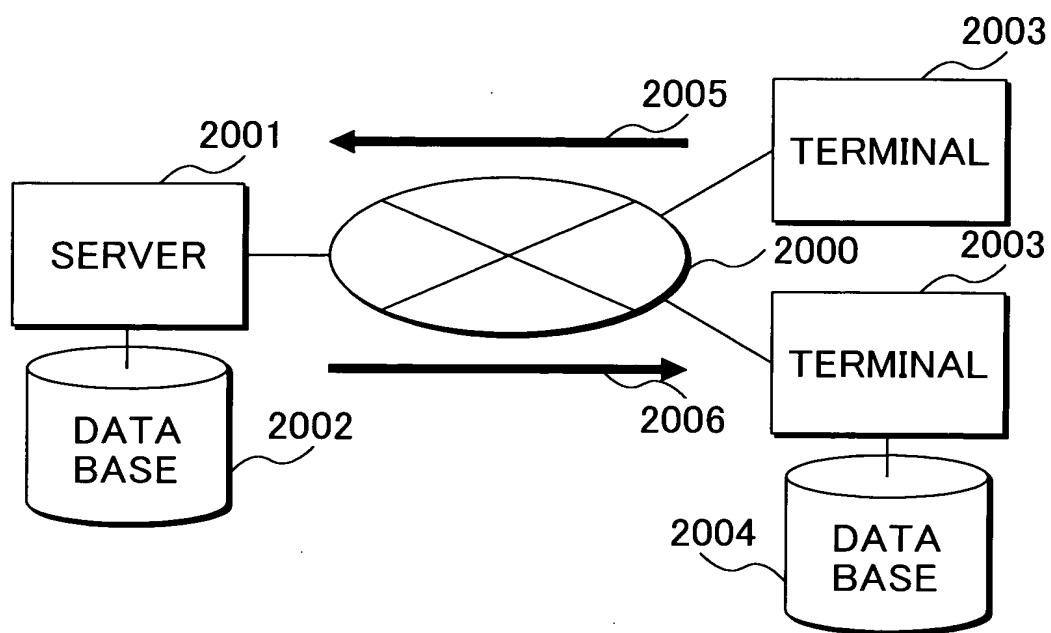


FIG.21A

SURFACE SUBSTANCE ANALYTICAL PROCESSING

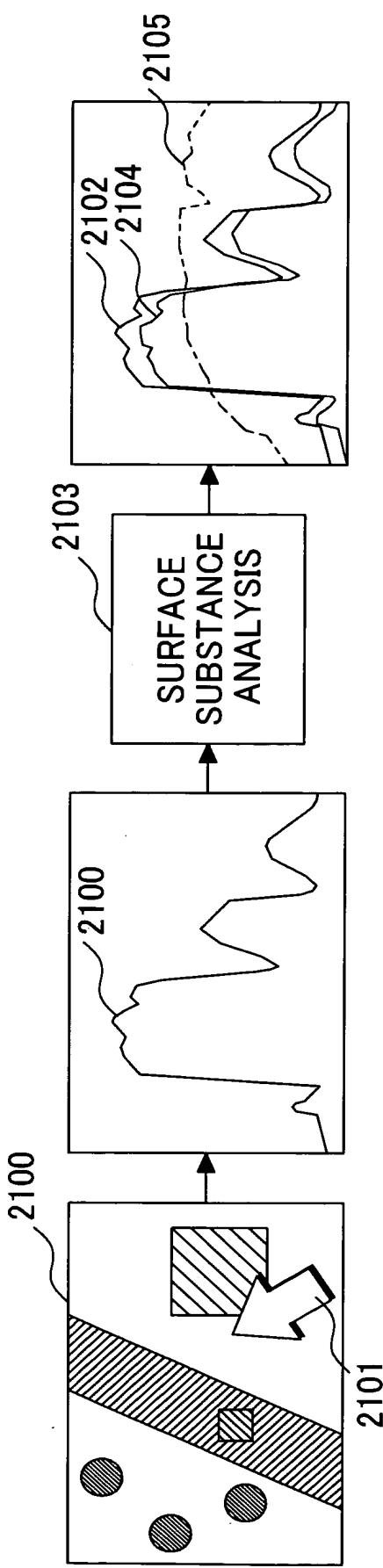


FIG. 21B
LAND COVERAGE CLASSIFICATION MAPPING PROCESS

